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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. DSI 9189	REV. A SHEET 1 OF 3
DATE 00.05.23		TITLE AFT AND SIDE DOOR LATCH MOD.	SCALE NTS
A	00.05.23	NEW ISSUE	

## **DART SERVICE INSTRUCTION**

TO AMEND INSTALLATION DRAWINGS: D350-588 REV. A OR EARLIER  
D350-589 REV. A OR EARLIER

REF. CANADIAN STC: SH92-41  
US FAA STC: SH1012NE

### **INTRODUCTION**

THE PURPOSE OF THE DSI 9189-011 KIT IS TO PROVIDE THE HARDWARE TO REPLACE THE D2443 LATCHES (REF. HARTWELL PART NUMBERS H605S190A496 OR H2818-3S125A OR H605K3240) WITH D2586 LATCHES.

### **PART LIST**

Qty -011	Part Number	Description
X	DSI 9189-011	LATCH MODIFICATION KIT
2	D2463-0025	1/2" FOAM SEAL
2	D2585	MOUNTING CHANNEL
2	D2586	LATCH
1	D2589	KEYS, KEY CHAIN
2	D2621	LATCH PLATE
2	D2980	LATCH PLATE
2	AN960JD10	WASHER
2	MS21042L3	NUT
2	MS27039-1-18	SCREW

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DATE 00.05.23		TITLE AFT AND SIDE DOOR LATCH MOD.	SCALE NTS

**PROCEDURE:**

**AT EACH LATCH LOCATION**

1. REMOVE EXISTING D2443 LATCH AND D2383 LATCH BRACKET COVER FROM THE DOOR. DO NOT REMOVE D2382 LATCH BRACKET.
2. REMOVE 2.5" (MAX) OF SEAL FROM EDGE OF THE DOOR PER FIGURE 1.
3. DRAW A LINE CONNECTING THE CENTRES OF THE TWO LARGE HOLES FOR THE EXISTING LATCHES.
4. LINE UP THE INSIDE EDGE OF THE D2980 LATCH PLATE WITH THE EDGE OF LARGER LATCH HOLE AS SHOWN IN FIGURE 1. MAKE SURE THE D2980 LATCH PLATE IS CENTERED ON THE LINE CREATED AT STEP 3.
5. USING THE D2980 LATCH PLATE AS A TEMPLATE, MARK THE CUTOUT PROFILE FOR THE LATCH.
6. CUT A HOLE IN THE DOOR PER THE PROFILE CREATED AT STEP 5. TRIM TO FIT D2586 LATCH.
7. CLEAN THE INSIDE OF D2382 AND OUTSIDE OF THE DOOR IN THE VICINITY OF THE D2621 AND D2980 LATCH PLATES WITH ACETONE.
8. INSTALL D2621 LATCH PLATE OUTSIDE AND D2980 LATCH PLATE INSIDE OF THE DOOR AS SHOWN IN SECTION A-A USING 5 MIN. EPOXY OR PRC. ENSURE THAT THE LATCH PLATES LINE UP WITH THE RECTANGULAR CUTOUT FOR THE D2586 LATCHES. CLAMP LATCH PLATES IN PLACE. FILL THE VOID BETWEEN THE D2621 AND D2980 LATCH PLATES AS SHOWN IN FIGURE 1 WITH 5 MIN. EPOXY OR PRC. WIPE AWAY EXCESS EPOXY OR PRC FROM ALL AROUND THE LATCH PLATE INSTALLATION. ALLOW AT LEAST 15 MIN. BEFORE REMOVING CLAMPS AND PROCEEDING TO THE NEXT STEP.
9. INSTALL REPLACEMENT D2463-0025 NEOPRENE SEAL OVER THE D2980 LATCH PLATE.
10. INSTALL D2586 LATCH AND D2585 MOUNTING CHANNEL PER FIGURE 2.

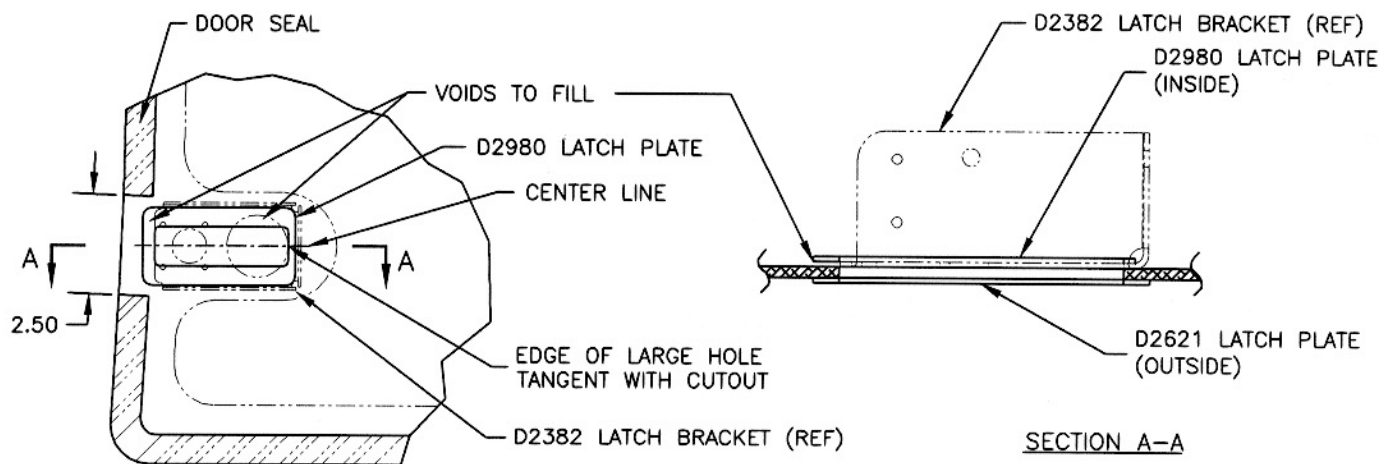


FIGURE 1: TYPICAL DOOR CUTOUT

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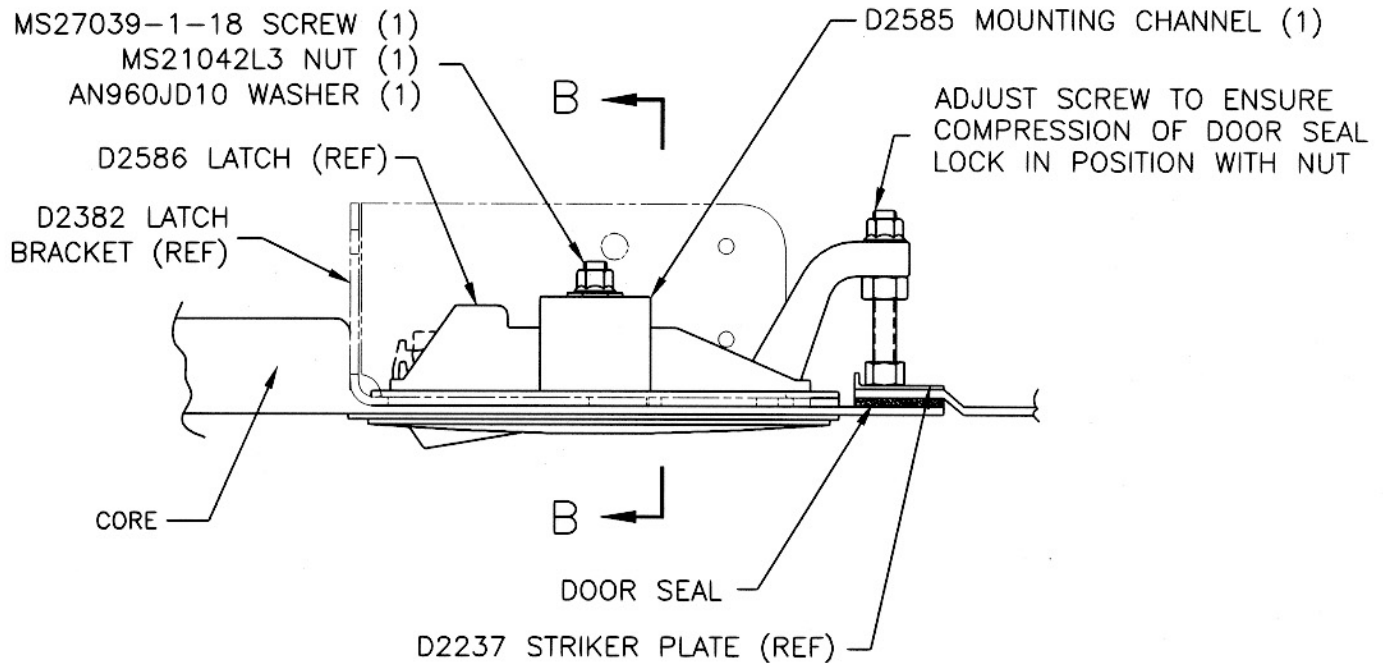
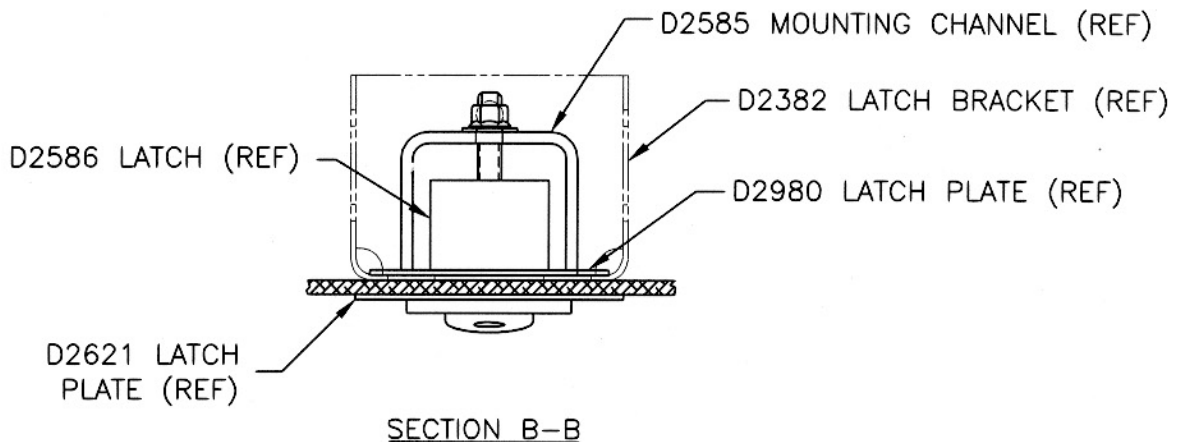


FIGURE 2: TYPICAL LATCH INSTALLATION



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